

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L.....

CBLog..... CCLog..... Others

Petrovest International

2070 Business Center Drive, Suite 130
Irvine, California 92715
(714) 955-0920

June 26, 1978

Mr. Edgar W. Gwynn
District Manager
United States Geological Survey
8400 Federal Building
Salt Lake City, Utah 84138

Re: Petro-Let, Sec. 13
T20S, R23E, SLB&M
Grand County, Utah

Dear Mr. Gwynn:

Enclosed, herewith, is the Application for Permit to Drill in triplicate for the above referenced well.

Thank you.

Sincerely,


Anthony R. Pearson
President

ARP:pm

Enc.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETROVEST INTERNATIONAL

3. ADDRESS OF OPERATOR

2070 Business Center Drive, Suite #130, Irvine, California 92714

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

330 FNL

At proposed prod. zone

2970 FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles North of Cisco, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

330'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

16. NO. OF ACRES IN LEASE

240

19. PROPOSED DEPTH

2300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4680 GR

22. APPROX. DATE WORK WILL START*

15 August 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	17 lbs. (new)	200 ft.	40 sx Class-G Circulate
6 1/4"	4-1/2"	10.5 lbs.	2300 ft.	50 sx Dowell RFC

Well will be drilled to test entrada sand formation for oil or gas. All shows encountered will be tested:

Blowout equipment to be used:

1. Rigan B.O.P. 3000 P.S.I. (HYP closing unit) tested to 1000 P.S.I. after cement job on surface pipe
2. Jacob's rotating head above B.O.P.
3. Full shut of gate, valve on well and exhaust line.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Petrovest International

SIGNED By: Anthony R. [Signature] TITLE Operator & PresidentDATE June 27, 1978

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

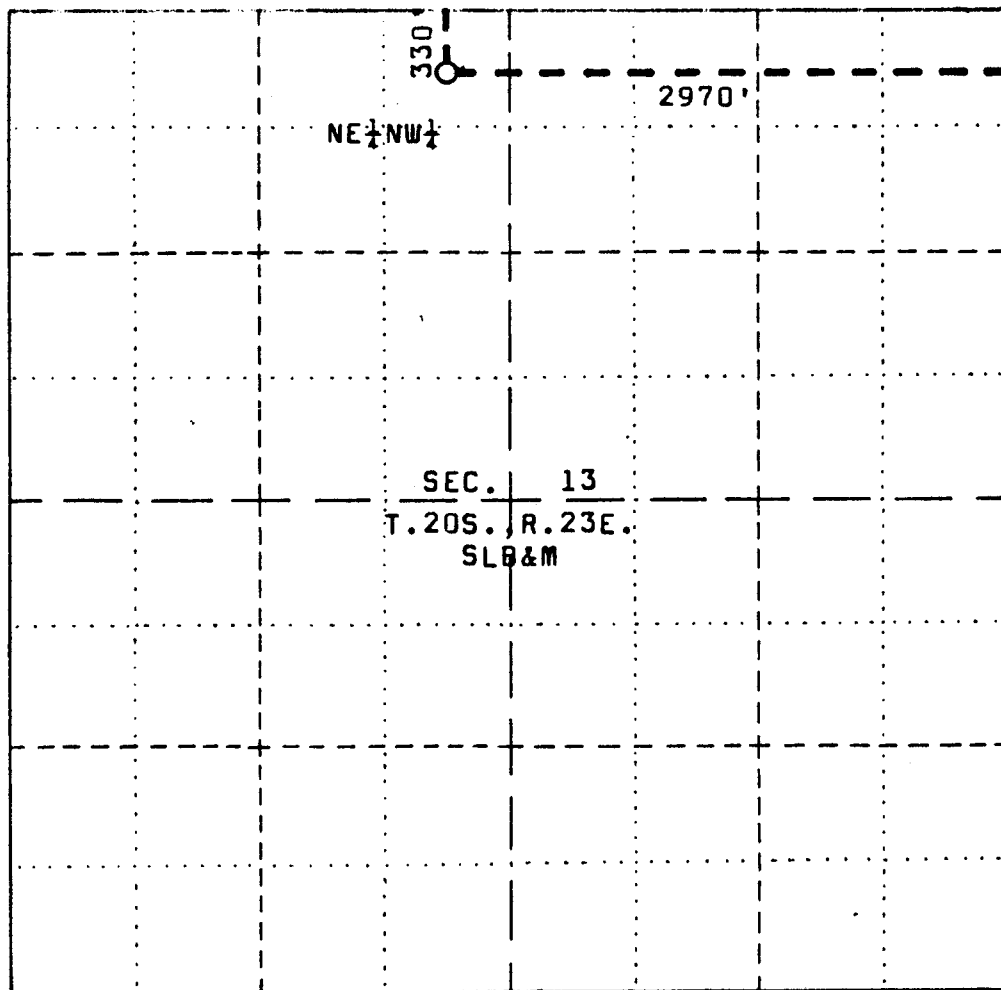
APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



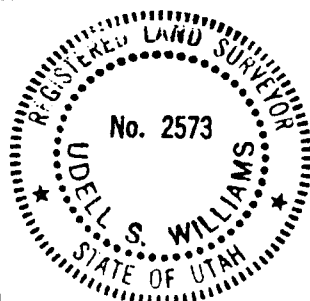
SCALE: 1" = 1000'

PETRO-LET #1

Located South 330 feet from the North boundary and West 2970 feet from the East boundary of Section 13, T.20S., R.23E., SLB&M.

Elev. 4672

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

[Signature]
UTAH R.L.S. NO. 2573

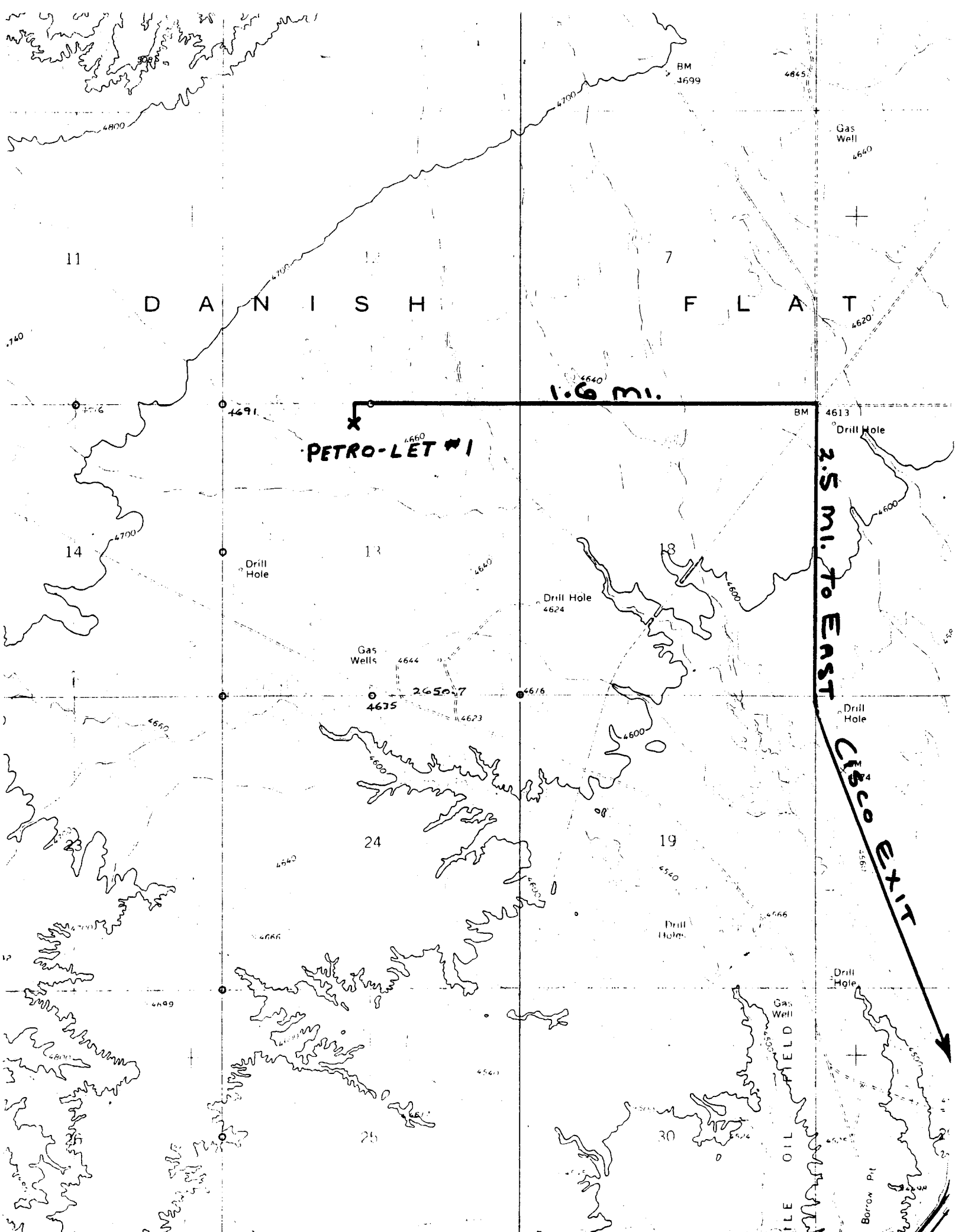


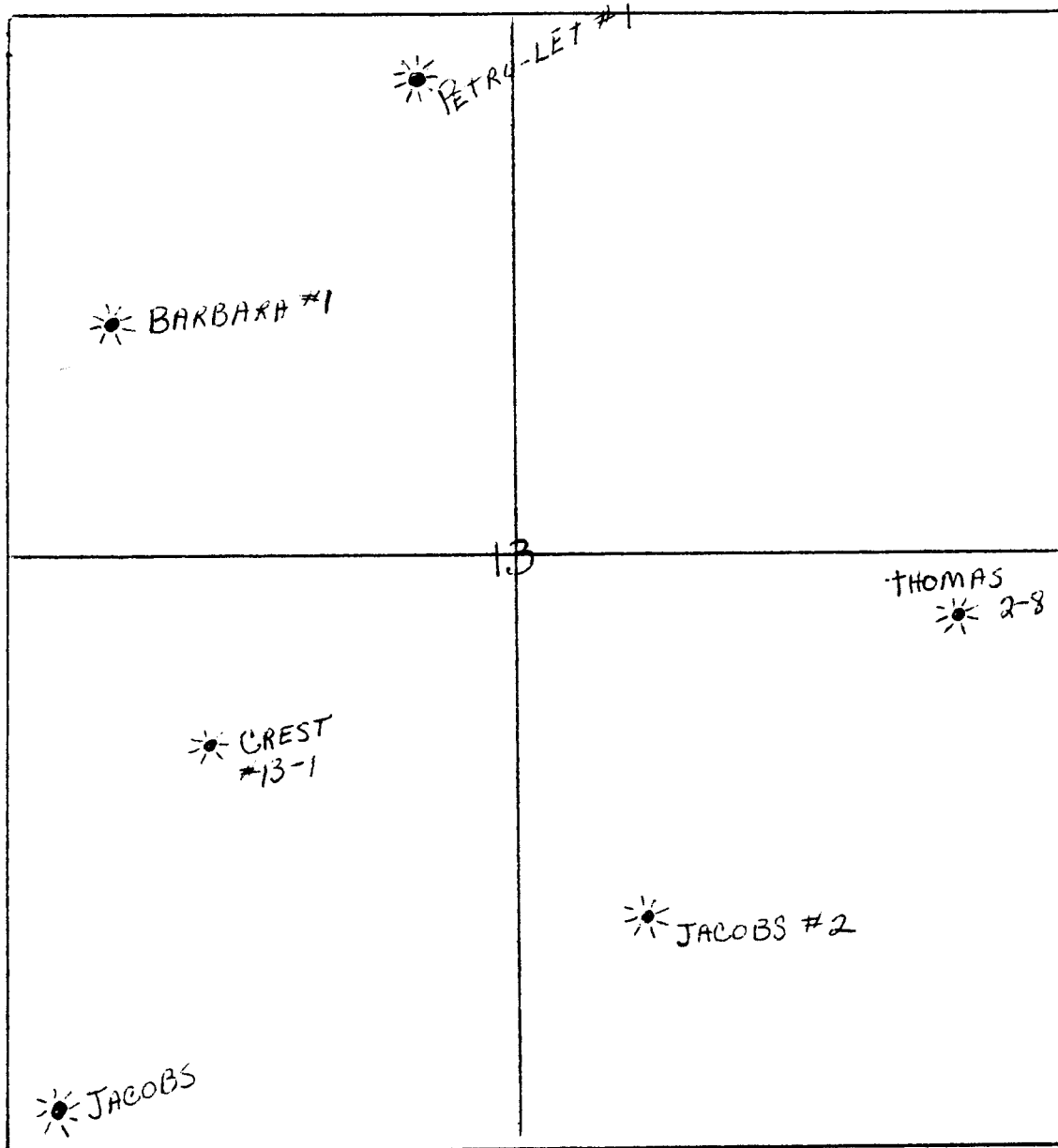
UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
PETRO-LET #1

NE 1/4 NW 1/4 SECTION 13
T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 6/10/78
DRAWN BY: USW DATE: 6/10/78





STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

NE NE NW
74
25-90

** FILE NOTATIONS **

Date: July 3-
Operator: Petro-let Int.
Well No: Petro-Let #1
Location: Sec. 13 T. 20S R. 23E County: Grand

File Prepared: ☒ Entered on N.I.D.: ☒
Card Indexed: ☒ Completion Sheet: ☒

API NUMBER: 43019-30457

CHECKED BY:

Administrative Assistant SW

Remarks:

Petroleum Engineer 7

Remarks:

Director 8

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☒ Survey Plat Required: ☐

Order No. 102-51 Surface Casing Change ☐
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐ O.K. In _____ Unit ☐

Other:

CC -
terminate
Barbara
2-13

☒ Letter Written/Approved

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-0148171A

OPERATOR: PETROVEST Int.

WELL NO. Petro-Let #1

LOCATION: 1/4 NE 1/4 NW 1/4 sec. 13, T. 20S, R. 23E, SLM

GRAND County, UTAH

1. Operator predicted stratigraphy and predicted hydrocarbon zones are adequate? yes.
If not, USGS predictions are:

2. Fresh water aquifers probable below surface casing? yes.

3. Other probable leasable minerals? yes.
Coal - probably in Dakota fm.

4. Are hazardous fluids or gases likely? no.

5. Are abnormal conditions of pressure or temperature likely? no.

6. Will any strata penetrated need special mud, casing, or cementing beyond that proposed in the APD? no.

7. Is additional logging or sampling needed? no.

8. References - remarks: USGS Files, Salt Lake City, Utah

Is location within 2 miles of a KGS? yes. Cisco Springs K.B.S.

Signature: [Signature]

Date: 7-17-78

1. The geologic name of the surface formation-
*mancus shale
*land is desert, flat area, just 8 miles from Cisco, Utah

2. Estimated tops of important geologic markers:

Mancus--0-1354
Dakota--1354-1534
Morrison--1534-1705
Salt Wash--1705-1812
Entrada--1812-2200

3. Estimated depths of which anticipated water, oil and gas

Water--don't expect
Oil--salt wash
Gas--entrada

Formation of gas in the entrada is our goal.

4. The proposed casing program, including the size, grade and weight--per foot of each string and whether new or used.

*surface casing will be 150 7" or 7 5/8
*weight 24# or 28# and 55 new

5. The lessee's or operator's minimum specification for pressure control equipment which is to be used, a schematic or (ADI series) the testing procedures and testing frequency.

Operator will use 7 5/8" good PSI spool with regan torus B.O.P. above spool. A 7 5/8 3000 P.S.I. spool will be used above B.O.P. A rotating head will be used above the flow line spool. The B.O.P. is bag type, 600 series regan torus of 7 1/16" I.D.

6. The type and characteristics of the proposed circulating medium or mediums to be explored for rotary drilling and quantities and type of mud and weighting material to be maintained.

Operator plans to drill with air as far as possible. Water base drilling fluid will be used in event formation water is encountered and to control or kill oil or gas flows when running long string. 4 1/2" 10.5 b casing--mud invert polymer type bio-degradeable. Mud 8.2 lb. per gal. Weight and mud to 10 lb. per gal. if required will be provided. The addition of potassium chloride D.H. chemical added as required.

7. The auxiliary equipment to be used:

1. Kelly Cocks--Demlo
2. Floats at the bits--yes and string
3. Monitoring equipment on mud system--none
4. A sub on the floor with a full opening valve to be stabbed into drill pipe when kelly is not in the string. Sub on

7. Continued--

4. Continued--

floor with a full opening valve. The fill, kill and choke lines will be attached to well head below B.O.P. Also auxiliary equipment to be used.

- a. 6000 # shut off valve on stand pipe
- b. one float at bit and two string floats
- c. Sub 3 1/2" I.F. to 2" valve for controlling blowouts for use when making round trips in event of well blowouts.

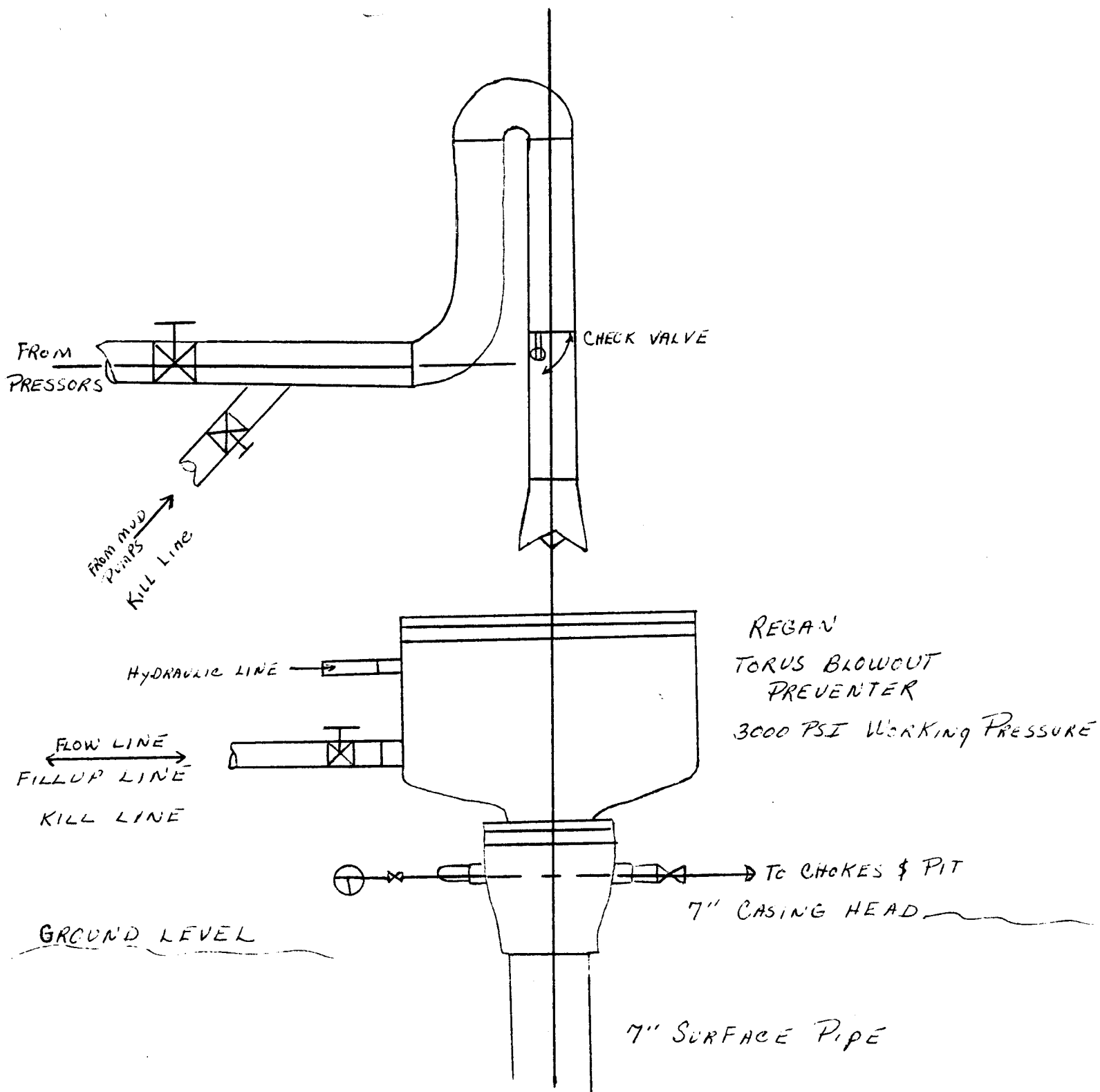
8. The testing, logging and coring programs to be followed with provision made for required flexibility--black light testing of hydro carbons, also logging by electric log to test formation after hole drilled. Coring, none.

9. Any anticipation of abnormal pressures or temperatures expected to be followed with provisions made for required flexibility.

The maximum bottom hole pressure anticipated for PETRO-LET is 800 P.S.I. flexibility provisions with B.O.P.

10. The anticipated starting date and duration of the operating.

Plan drilling as soon ^{as} ~~and~~ approval of application.



MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. Existing Roads:

- A. Location is approximately 8 miles from Cisco, Utah. To reach the proposed location from Cisco, highway 6&50, east is taken to the junction of I-70, at which point the route going under the overpass is taken. The unimproved dirt road (shown in orange on map) begins. This road is taken to the point (as shown on map) begins approximately 1/4 mile from the highway 6&50 exit.
- B. If needed, the existing unimproved dirt road will be leveled.

2. Planned Access Roads:

- A. Width of the planned access road will be 15 to 18 ft.
- B. Maximum grade will be 3%.
- C. No turnouts prior to the site will be made.
- D. No drainage designs are contemplated.
- E. No culverts or major cuts and fills will be needed.
- F. Surfacing material will be the native soil.
- G. No gates, cattleguards, or fence cuts will be needed.
- H. See attached map.

3. Location of Existing Wells:

(See attached map)

4. Location of Existing and/or Proposed Facilities:

- A. No tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, disposal lines within a one mile radius are owned or controlled by lessee/operator.
- B. In the event of production (oil) storage containers will be placed on a gravel base on the drilling location. If commercial gas is encountered necessary pipelines will be applied for at that time. Fences will be used to protect livestock and wildlife from any potential dangers from production facilities.
- C. All disturbed areas that are not needed for production after construction operations will be smoothly contoured.

5. Location and Type of Water Supply:

- A. Brine and fresh water will be obtained in Moab, Utah and hauled by water truck over the route described in para. 1.
- B. No water well will be drilled.

6. Source of Construction Materials:

- A. No construction materials will be obtained from Federal or Indian Land.
- B. Gravel needed in the production set-up will be obtained from a private source.
- C. The access road (blue print on map) will cross Federal land.

7. Methods for Handling Waste Disposal:

- A. Cuttings will be blown into a dirt disposal pit.
- B. Drilling fluids will be transported in the steel tanks to another location or if too highly contaminated dumped into the disposal pit.
- C. Produced fluids (oil & water) will be kept in mud tanks until the fluid becomes too highly contaminated at which time they will be channeled into the disposal pit.
- D. Sewage will be disposed of in a mobile toilet facility.
- E. Garbage and other waste material will be contained in bags or cans and periodically hauled from the site.
- F. Well site will be completely cleaned of debris and unnecessary equipment after rig moves.

8. Ancillary Facilities:

No camps or airstrips will be constructed.

9. Well Site Layout:

- A. Pits will be unlined and will work with file representatives from uses and/or BLM for additional needs.
- B. See attached plat for site layout and detailed explanation.

10. Plans for Restoration of Surface

- A. We will backfill, level and contour land as required to put property in original contour shape or as we found it. Top soil will be segregated from bottomsoil. Soils to be restored as removed. All oil and other stains will be plowed so that no type of stain will show when topsoil is replaced. All waste materials will be buried 3 feet or more. If materials cannot be buried, we will truck to the dump.

10. Plans for Restoration of Surface - Continued

- B. We will rehabilitate and revegetate all site areas per BLM recommendation and instructions.
- C. During drilling activity the pits will be fenced and maintained until cleanup and then will be restored to original condition.
- D. If oil is in pit, we will install 5-6 strings of overhead flagging for wild life protection.
- E. Clean up after rigs (drilling and workover) have been released, will commence within 15 days.

11. Other Information:

- A. Site location is in an area of very sparse vegetation growth with sagebrush and grasses predominating. Soil is raw Mancos shale. Site location is in a relatively flat area. Couotes, prairie dogs, and rabbits are found in the area.
- B. Surface ownership of all involved land is Federal. Other surface use activities consists entirely of livestock grazing.
- C. Water is found at Cisco Springs approximately 3 miles west. No dwellings, archeological, historical or cultural sites are in the area.

12. Lessee's or Operators Representative.

Name - Anthony R. Pearson

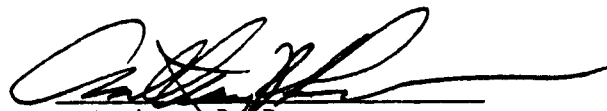
Address - 2070 Business Center Drive, Suite 130, Irvine, CA 92715

Phone Number - (714) 955-0920

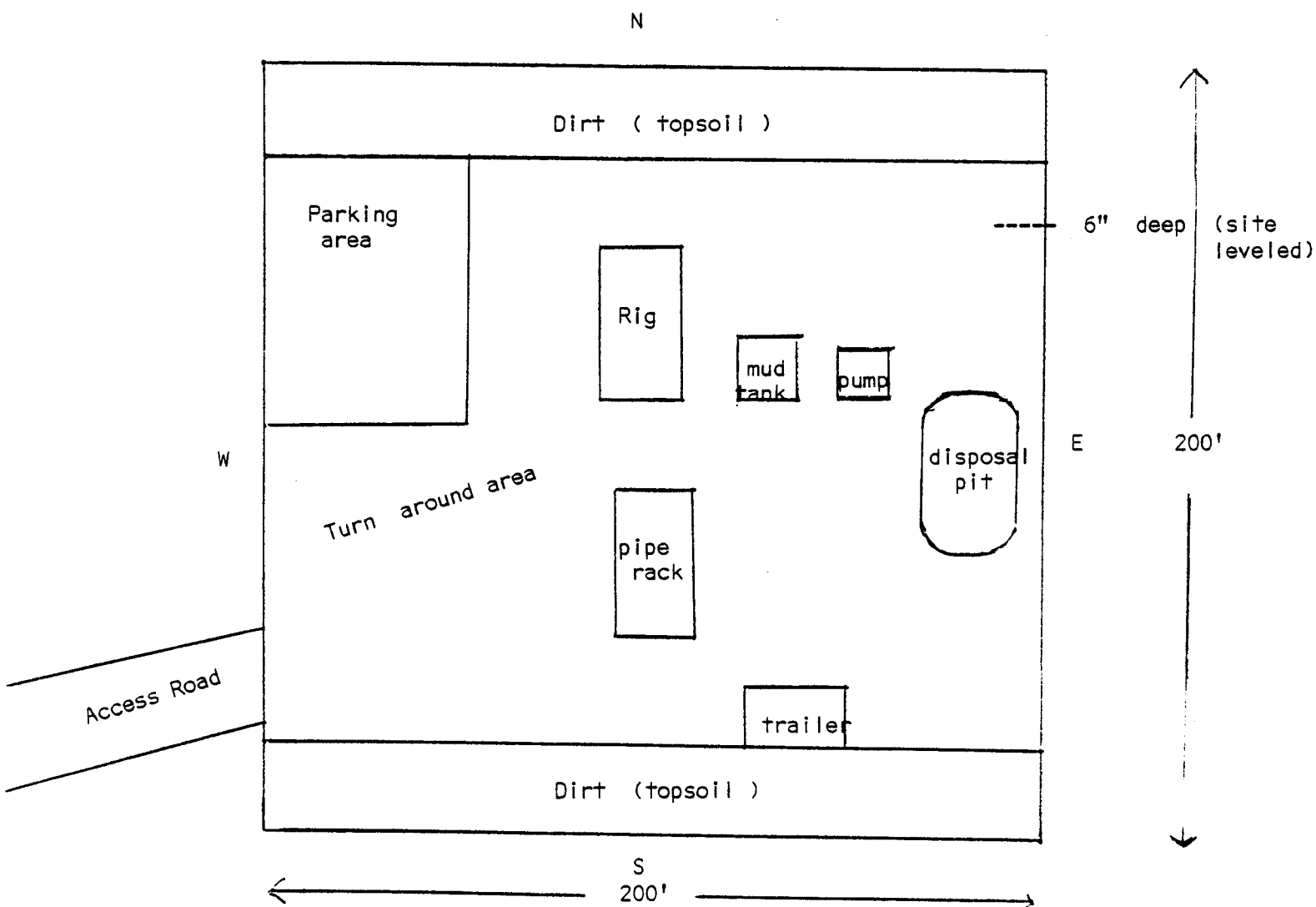
13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dave Iles Construction Co. and Stan Starner Drilling Co. and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

June 27, 1978



Anthony R. Pearson
President, Petrovest International



No cuts required-- just blade top soil flat and stock pile.

Pit to be 20' X 25' X 4' deep

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-32474Operator Petrovest InternationalWell No. Petro-Let #1Location 330' FNL 2970' FEL Sec. 13 T. 20S R. 23ECounty Grand State Utah Field Cisco SpringsStatus: Surface Ownership Public Minerals FederalJoint Field Inspection Date July 19, 1978

Participants and Organizations:

<u>George Diwachak</u>	<u>USGS</u>
<u>Bob Kershaw</u>	<u>BLM</u>
<u>Udell S. Williams</u>	<u>Petrovest International</u>
<u>Wayne Ferguson</u>	<u>Petrovest International</u>
<u></u>	<u></u>
<u></u>	<u></u>

Related Environmental Analyses and References:

- (1) Book Mountain (06-01) unit Resource Analysis BLM, Utah
- (2)

Analysis Prepared by:

George J. Diwachak
~~XXXXXXXXXX~~
Environmental Scientist
Salt Lake City, Utah
Reviewed by
John T. Evans

*Stockpile
Anch. Chem. Rep.*

Date July 24, 1978

NOTED JOHN T. EVANS, JR.

9/2/78 JTE

Proposed Action:

On June 28, 1978, Petrovest International filed an Application for Permit to Drill the No. Petro-Let #1 development well, a 2300-foot gas test of the Entrada Formation; located at an elevation of 4680 ft in the Cisco Springs Field on Federal mineral lands and Public surface; Lease No.U-32474. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 200 ft wide x 200 ft and a reserve pit 20 ft x 25 ft. A new access road will be constructed 15-18 ft wide x 0.1 miles long and upgrade a 15-18 ft. wide by 1.6 miles pipeline access road from an existing and improved road. Major construction will occur in upgrading the drainage crossing located 0.25 miles east of the lease. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date is when approved and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 12 miles northeast of Cisco, Utah the nearest town. A good road runs to within 1.6 miles of the location. This well is in the Cisco Springs field.

Topography:

The Topography of the lease area is flat and desert like.

Geology:

The surface geology is Mancos Shale. The soil is sandy loam, No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a Low runoff potential and sediment production would be moderate. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposed to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately two acres of land would be stripped of vegetation. Although the erosion potential of the disturbed land would increase the effects would be minimal due to the flat topography.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 11 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8 inches.

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Most watercourses in the area are ephemeral. Drainage from the lease area is towards Danish Creek which flows in a southerly direction towards the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimized the problem. The proposed project should have minor impact on the surface water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirement of NLT-2B.

The depths of fresh water formations are listed in the 10-Point Sub-surface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

The vegetation of the lease area consists of sagebrush, saltbush, and nature range grasses.

Proposed action would remove about two acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominatly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep in the winter months. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location should be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County. But should this well discover a significant new hydrocarbon source, local, state and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

The area is used for wildlife and winter stock grazing.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit (06-01). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. Misting of the Blooie disposal line will be required for dust suppression. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit -- The oil and gas lease grants the Lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

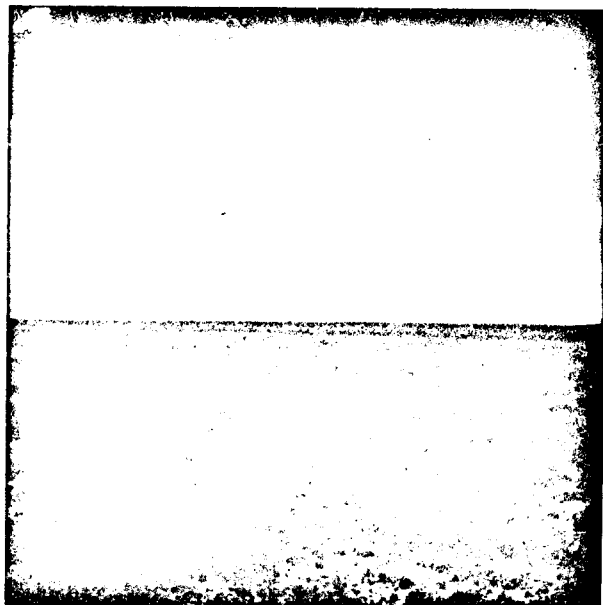
(2) Minor relocation of the wellsite access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately two acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Danish Wash would exist through leaks and spills.

Determination:

This requested action does not constitute a Federal action significantly affecting the environment in the sense of NEPA, sec. 102(2)(c).



District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

014871
PetroVEST
Int.

Petdet #1

S
GJD

August 1, 1978

Petrovest International
2070 Business Center Drive
Irvine, California 92715

Re: Well No. Petro-Let #1
Sec. 13, T. 20 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5. However, in order to maintain the 160-acre spacing pattern for gas, your Barbara 2-13 well, located 1650' FNL & 330' FWL, of Section 13, may not be drilled. Consequently, approval for the 2-13 granted you on May 8, 1978 by this office is hereby terminated.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-W, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this office be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30457.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. <u>U-0148171-A</u>	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR <u>Petrovest International Ph-(714) 955-0920</u>		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR <u>2070 Business Center Drive, #130, Irvine, Ca. 92715</u>		8. FARM OR LEASE NAME <u>Petrolet #1</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <u>NE 1/4 NW 1/4 Sec 13 T20 R23E SLB 6M</u> At top prod. interval reported below <u>330' FNL & 2970' FEL</u> At total depth _____		9. WELL NO. N/A	
14. PERMIT NO. _____ DATE ISSUED <u>Aug 1978</u>		10. FIELD AND POOL, OR WILDCAT <u>Cisco</u>	
15. DATE SPUDDED <u>9/14/78</u> 16. DATE T.D. REACHED <u>9/18/78</u> 17. DATE COMPL. (Ready to prod.) <u>N/A</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec 13, T20-R23E SLB 6 M</u>	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>4690 KB/4680 GL</u>		12. COUNTY OR PARISH <u>Grand</u>	
19. ELEV. CASINGHEAD <u>N/A</u>		13. STATE <u>Utah</u>	
20. TOTAL DEPTH, MD & TVD <u>N/A 2100'</u> 21. PLUG, BACK T.D., MD & TVD <u>Plug & A</u> 22. IF MULTIPLE COMPL., HOW MANY* <u>N/A</u>		23. INTERVALS DRILLED BY <u>Stratmaster</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>N/A</u>		25. WAS DIRECTIONAL SURVEY MADE <u>No</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Gamma Neutron/Dual Induction</u>		27. WAS WELL CORED <u>No</u>	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
<u>8 3/4</u>	<u>17 lb.</u>	<u>200'</u>	<u>9"</u>
		<u>2172</u>	<u>6 3/4"</u>
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
<u>N/A</u>			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
<u>N/A</u>			
33.* PRODUCTION			
DATE FIRST PRODUCTION _____		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____	
DATE OF TEST _____		WELL STATUS (Producing or shut-in) _____	
HOURS TESTED _____	CHOKE SIZE _____	PROD'N. FOR TEST PERIOD _____	
FLOW. TUBING PRESS. _____	CASING PRESSURE _____	CALCULATED 24-HOUR RATE _____	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____			
35. LIST OF ATTACHMENTS _____			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Anthony R. Pearson</u>		TITLE <u>President</u> DATE <u>9/18/78</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-014815
Communitization Agreement No. N/A
Field Name Cisco Springs
Unit Name N/A
Participating Area Cisco
County Grand State Utah
Operator Petrovest International
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of Dec 27, 19 78

(See Reverse of Form for Instructions)

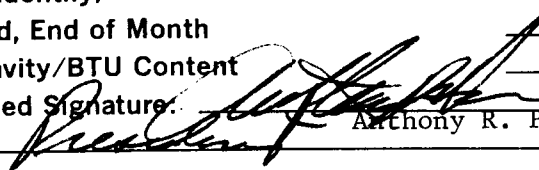
This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
				P & A					

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: _____
Title: President Anthony R. Pearson Page _____ of _____



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MCINTYRE

November 21, 1979

Petrovest International
2070 Business Center Dr.
Irvine, Cal. 92715

Gentlemen:

Attached is a copy of the final order in Cause No. 102-16B.

You will note that this order requires a copy of the property or lease line to be filed with the Application for Permit to Drill. If this only covers the pertinent section, so state.

No new Applications for Permit to Drill will be granted unless all required forms on existing wells are up to date. Also, some operators have not been submitting their 2 mill conservation levy as authorized under Section 40-6-14, Utah Code Annotated, 1953, as amended. The required sales report, Form 5, may be obtained upon request from this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight

Cleon B. Feight
Director

/b:tm

cc Well Files

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

CHARLES R. HENDERSON
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Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

Nov 30, 1979

Petrovest International
2070 Business Center Drive
Irvine, California 92715

Re: Well No. Petro-Let #1
Sec 13, T. 20S, R. 23E,
Grand County, Utah

Gentlemen-

In reference to your telephone call on the above date, please be advised that if this well location has been drilled and completed, the Well Completion or Recompletion Report and Log is due and has not been filed with this office. Also, please note that the Well Completion form is also due on the Jensen #1, (Sec. 21, T. 55, R. 23E, Uintah County, Utah).

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative the above.
Very truly yours....

U-0148171-R

TELECON to ANTHONY R.
PEARSON #714-955-0920-
NOT IN WILL CALL BACK

" NO REPT'S SUBMITTED

2) LOCATIONS LEFT IN A MESS

3) OUR CORRESPONDENCE BEING
IGNORED.

4) SURFACE MANAGEMENT people complaining
5-6-79 ANTHONY CALLED HE
SAID HE WOULD CONTACT ROSS
JACOBS OR LYNN COLLINS THEY WERE
SUPPOSE TO BE HANDLING THE PERMITS
ON THESE WELLS. HE WILL CORRECT
THE PAPER WORK PROBLEMS.

5-6-79 NOTIFIED BLM IN MORA B
ON THIS. Dec

REC

DEC 20 1979

DIVISION OF
OIL, GAS & MINING

Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

January 16, 1979

Petrovest International
2070 Business Center Drive
Suite 130
Irvine, California 92715

Re: (1) Petrolet #1 NE NW
(2) Barbara #2-13 SW NW
Section 13, T.20S., R.23E.
Grand County, Utah
Lease U-0148171-A

Gentlemen:

This letter will acknowledge your Well Completion or Recompletion Reports and Log; Form 9-330, for the referenced wells. Reviewing the reports disclosed certain items were improperly completed or omitted entirely. Section 4 should reflect footage of the well location instead of quarter quarter, section, township and range. All dates, abbreviations, and depths must be complete and appropriate. Sections 37 and 38 on the reverse side of the completion report must be completed.

One item of interest to be clarified is the size of the surface casing and the depth at which it was set. For the Petrolet #1, the Application for Permit to Drill called for 7" casing to be set at 200 feet, the Oral to Abandon dated September 19, 1978 reflected 7-5/8" casing was set at 185', and the completion report showed 8-3/4" casing at 200 feet. The same situation applies to the Barbara #2-13.

The Well Completion or Recompletion Reports and Log, Form 9-330, are to be resubmitted with the information requested and a clarification of the size of the surface casing and the depth set.

If you need further information and explanation do not hesitate to contact this office. Your cooperation in this matter is appreciated.

Sincerely yours

(ORIG. SGD.) E. W. GUYNN

E. W. Gynn
District Engineer DIVISION OF
OIL, GAS & MINING

bcc: O&GS, NRMA, Casper
Well Files (2)

RAH:ch

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

CERTIFIED RECEIPT REQUESTED

December 14, 1978

Petro-vest International
International Business Center
2070 International Business Drive
Suite 130
Irvine, CA 92715

Gentlemen:

Re: Oil and Gas Lease U-0148171-A

We have not yet received the reports checked below pertaining to
your well No. Petro-let #1 located in NE 1/4 NW 1/4
sec. 13, T. 20S, R. 23E, Grand
County, Utah.

Form 9-329, "Lessee's Monthly Report of Operations",
months of _____

Form 9-331, "Notice of Intention to Abandon"

(3 copies) xxx

Form 9-331, "Subsequent Report of Abandonment"

(3 copies) xxx

Form 9-330, "Well Completion Report and Log" covering
all drilling operations. (2 copies) xxx

Geologic logs (30 CFR 221.59 requires that duplicate
copies of all types of wire line logs, sample logs,
drilling time logs and other well surveys must be
filed.) (2 copies) _____

Please submit these delinquent reports to this office immediately.

Sincerely yours,

[Orig. Sgd.] E. W. Guynn

E. W. Guynn
District Engineer

RECEIVED

DEC 20 1979

DIVISION OF
OIL, GAS & MINING



United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

December 6, 1979

Memorandum

To: District Engineer, USGS Conservation Division,
Salt Lake City, Utah
From: Area Manager, Grand
Subject: Petrovest International
Petro-Let #1, Lease U-0148171-A
NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 13.
T. 20 S., R. 23 E., SLB&M
Grand County, Utah

On October 18, 1979 a representative from this office made an inspection of the above referenced location. Rehabilitation is:

(Unsatisfactory)

Reasons (Unsatisfactory):

1. No rehabilitation attempt has been made.
2. Topsoil was not stockpiled.
3. No dry hole marker on the location.
4. Mouse hole and rat hole are still open.
5. Pits have not been backfilled and are not fenced.
6. Trash and garbage is present all over the location.

The company has totally ignored the surface use plan for this location. We request that the operator be notified of this situation and some effort be made to correct the problem by no later than March 31, 1980.

RECEIVED

DEC 20 1979

DIVISION OF
OIL, GAS & MINING



Greg R. Dawson
Acting

Save Energy and You Serve America!

U.

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

December 17, 1979

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Petrovest International
2070 Business Center Drive, Ste. 130
Irvine, California 92715

Re: **Petro-Let #1 & #2-13 Barbara**
Sec. 13, T. 20S., R. 23E.
Grand County, Utah
Lease #U-0148171-A

Gentlemen:

Attached is a letter from the Bureau of Land Management concerning the rehabilitation work on (1) of the referenced sites that still has not been completed. We have nothing in our files to indicate that either well has been plugged and rehabilitated.

On December 14, 1978, a letter was sent to you by "Certified Mail" requesting that the required forms be submitted (See attached).

On January 16, 1979, a letter was sent to you requesting that your Well Completion Reports on both of these wells be resubmitted and completed properly (See attached).

On May 6, 1979, Dee Dearth of this office called Mr. Anthony R. Pearson requesting that these (2) locations be cleaned up and the paper work problems corrected. Mr. Pearson stated that he would contact Ross Jacobs or Lynn Collins as they were to handle the rehabilitation at these wells (See attached).

To our knowledge we have not had any compliance and since your company has elected to completely ignore our request, we are notifying you that Lease #U-148171-A is in jeopardy.

You are to have these (2) locations cleaned up and the required paper work submitted by February 1, 1980. Failure to comply will result in assessments for non-compliance, Lease shut-in orders, lease cancellations, bond forfeiture and other actions prescribed in the Oil and Gas Operating Regulations.

RECEIVED

DEC 20 1979

DIVISION OF
OIL, GAS & MINING

If you have any questions, please contact this office.

Sincerely yours,

(ORIG. SGD.) E. W. GUYNN

E. W. Guynn
District Engineer

Attachments

- (1) BLM ltr. dtd. 12-6-79
- (2) USGS ltr. dtd. 12-14-78
- (3) USGS ltr. dtd. 1-16-79
- (4) Telecon notes dtd. 5-6-79

cc: BLM, Moab, Ut
State of Utah, Natural Resources Dept. ✓
Oil, Gas, and Mining Div.
1588 W. North Temple
Salt Lake City, Ut 84116



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
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EDWARD T. BECK
E. STEELE McINTYRE

December 27, 1979

Petrovest International
2070 Business Center DR. #130
Irvine, Cal. 92715

RE: Well No. Petro-Let #1
Sec. 13, T. 20S, R. 23E,
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office August 18, 1978 from above referred to well indicates the following electric logs were run:

Gamma Neutron/Dual Induction

As of December 27, 1979 this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Very truly yours

DIVISION OF OIL, GAS, AND MINING

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST